Compliance Component

DEFINITION

Name	Cryptography Uses
Description	Cryptography transforms data into a secured format. It is a critical tool for protecting information and is used to provide many security services, such as enabling digital signatures, and securing email, stored data, virtual private networks (VPN), web servers and wireless communication.
Rationale	Data needs special protection if it is sensitive, has a high value, or is vulnerable to unauthorized disclosure or undetected modification. Cryptographic methods protect against intentional or accidental compromise and alteration of data.
Benefits	• Provides confidentiality, integrity and availability for systems, communications and data.

ASSOCIATED ARCHITECTURE LEVELS

List the Domain Name	Security
List the Discipline Name	Technical Controls
List the Technology Area Name	Cryptography
List Product Component Name	

COMPLIANCE COMPONENT TYPE

Document the Compliance Component Type	Guideline
Component Sub-type	

COMPLIANCE DETAIL

State the Guideline, Standard or Legislation	See compliance components for: • Digital signatures • Cryptography for Email • Cryptography for Stored Data • Cryptography for VPN • Cryptography for Web Servers • Cryptography for Wireless
Document Source Reference #	(All found at www.csrc.nist.gov) NIST Special Publication 800-12, An Introduction to Computer Security: The NIST Handbook (Oct 1997) NIST SP 800-21, Guideline for Implementing Cryptography in the Federal Government (Nov 1999)

Standard Organization

Name	NIST Federal Information Processing Standards	*Website*	www.csrc.nist.gov/publications/fips/index.html
Contact Information	inquiries@nist.gov		

Government Body			
Name	National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC)	*Website*	www.csrc.nist.gov/publications/fips/index.html
Contact Information	inquiries@nist.gov		

KEYWORDS			
List all Keywords			

COMPONENT CLASSIFICATION

Provide the Classification	☐ *Emerging*	☒ *Current*	☐ *Twilight*	☐ *Sunset*

Rationale for Component Classification

Document the Rationale for Component Classification	

Conditional Use Restrictions

Document the Conditional Use Restrictions	

Migration Strategy

Document the Migration Strategy	

Impact Position Statement

Document the Position Statement on Impact	

CURRENT STATUS

Provide the Current Status)	☐ *In Development*	☐ *Under Review*	☒ *Approved*	☐ *Rejected*

AUDIT TRAIL

Creation Date	04/13/2004	*Date Accepted / Rejected*	4/13/04
Reason for Rejection			
Last Date Reviewed		*Last Date Updated*	
Reason for Update			